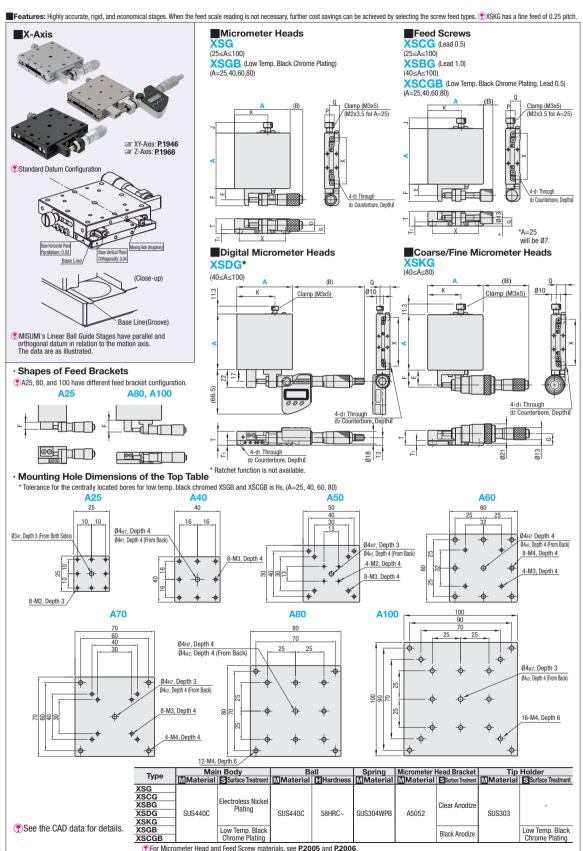
[High Precision] X-Axis, Linear Ball Slide

Micrometer Heads / Feed Screws / Digital Micrometer Heads / Coarse/Fine Micrometer Heads



Micrometer Head (XSG, XSGB) / Feed Screw (XSCG, XSBG, XSCGB) ® Standard Stages Similar Products (available for limited sizes only): XLBS (P.1920)

Part Number	er		Top View							Front View					Side	Accessory (4 pcs.)			
Туре	Α	(B) Micrometer Feed Screw		Travel Distance (mm)			J	к	D	G	Т	T1	Р	Q	х	d1	d ₂	l	TypeM-L
XSG XSCG	25*	25	11	±3.2	7	9	6.8	15	9.3	7	12	3.7	6	8.5	20	2.5	4.2	2.5	SCB2-4
	40*	23.5	20	±6.5	12	18.5	11.3	26	13	8.9	16	4.5	10	10.5	32	3.5	6	3.5	SCB3-6
XSBG	50	18.5	15		12	18.5	11.3	31	13	8.9	16	4.5	10	10.5	40	3.5	6	3.5	SCB3-6
	60*	13.5	10		12	18.5	11.3	36	13	8.9	16	5	10	10.5	50	4.5	8	4	SCB4-6
(40≤A≤100)	70	14	10.5		12	18.5	11.3	46.5	13	10	18	6	10	11.5	60	4.5	8	4.5	SCB4-6
XSGB (* only)	80*	43.5	10	±12.5(*1)	17	22(*3)	11.3	55	18	10.8	20	6.5	10	14.5	70	4.5	8	5.3	SCB4-6
XSCGB (* only)	100	28.5	-5 ^(*2)	±12.5	17	22(*3)	11.3	67.5	18	10.8	20	6.5	10	14.5	90	4.5	8	5.3	SCB4-6

(*1) Stroke of XSCG80/100, XSGB80/100, XSGB80 is ±6.5mm. (*2) Ends of feed screw knob are at 5mm inside of the carriage edges for XSCG and XSBG. (*3) When dimension A of Feed Screw Type XSCG, XSBG, XSGB is 80 or 100, F will be 20.

Part Number		Stage Surface				Travel Acc				Moment Rigidity ("/N·cm)			Davidalian	Weight (kg)								
Type	Α	(mm)	Horizontal	Vertical	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	raididisiii	Micrometer	Feed Screw	XSG	XSCG	XSBG	XSGB	XSCGB
XSG XSCG	25*	25x25	39.2	9.8	3µm	10µm	30"	25"	2.0	2.0	3.5	1.9	1.1	1.1	30µm	0.07	0.07			-		
	40*	40x40	98			7µm	25"		5.0	5.0	5.0	0.42	0.35	0.21		0.23	0.23					
	50	50x50	147		1µm			15"	6.8	6.8	6.0	0.15	0.14	0.09	15um	0.28	0.28				-	-
XSBG	60*	60x60	196	49	(*4)				10.0	10.0	9.0	0.08	0.08	0.05	тэµпп	0.40	0.40					
(40≤A≤100)	70	70x70	225.4	49			23	10	13.8	13.8	12.9	0.06	0.05	0.03		0.58	0.58				-	-
XSGB (* only)	80*	80x80	264.6		2117	8µт			18.2	18.2	17.7	0.04	0.04	0.02	20um	0.90	0.84					
XSCGB (* only)	100	100x100	343		3µm				31.8	31.8	30.7	0.02	0.02	0.01	20μπ	1.33	1.27				-	-

• XSG, XSGB Micrometer Head Resolution: 10µm/division (*4) Straightness of XSGB and XSCGB40/60 is 3µm.

Digital Micrometer Heads (XSDG) / Coarse/Fine Micrometer Head (XSKG)

Part Numb	er	Top View								ront Vie	w			Accessory (4 pcs.)			
Туре		XSDG		XSKG		_	_	ĸ	6	_	т.	a	v	d1	d ₂	0	TypeM-L
	A	(B)	Travel Distance (mm)	(B)	Travel Distance (mm)			- 1	ď			٧	^	uı	uz	Ł	TypeW-L
	40	121.5		60	Coarse Feed ±6.5	16	18.5	26	11.6	16	4.5	10.5	32	3.5	6	3.5	SCB3-6
XSDG	50	116.5	±6.5	55		16	18.5	31	11.6	16	4.5	10.5	40	3.5	6	3.5	SCB3-6
	60	111.5	±0.5	50		16	18.5	36	11.4	16	5	10.5	50	4.5	8	4	SCB4-6
XSKG	70	112		50.5	Fine Feed 0.2	16	18.5	46.5	12.5	18	6	11.5	60	4.5	8	4.5	SCB4-6
(40≤A≤80)	80	104	±12.5	49.5		17	25	55	10.8	20	6.5	14.5	70	4.5	8	5.3	SCB4-6
	100	89		-		-	-	67.5	-	20	6.5	14.5	90	4.5	8	5.3	SCB4-6

· Performance

	Part Number		Stage Surrace				Iravel Acc			Moment L	.oad Capa	CITY (N·m)	Moment	Rigidity	("/N·cm)	Davelleliem	weigr		Unit	
	Type	Α	(mm)	Horizontal	Vertical	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	rarallelisili	XSDG	XSKG	XSDG	XSKG
		40	40x40	98			7μm	25"	5" 15"	5.0	5.0	5.0	0.42	0.35	0.21		0.43	0.30		
	XSDG	50	50x50	147	40	4				6.8	6.8	6.0	0.15	0.14	0.09	45	0.48	0.35		
		60	60x60	196		1µm				10.0	10.0	9.0	0.08	0.08	0.05	15µm	0.60	0.47		
	XSKG	70	70x70	225.4	49					13.8	13.8	12.9	0.06	0.05	0.03		0.78	0.65		
	(40≤A≤80)	80	80x80	264.6	1	3µт	8µт			18.2	18.2	17.7	0.04	0.04	0.02	20um	1.10	0.97		
		100	100x100	343	1					31.8	31.8	30.7	0.02	0.02	0.01	ZUHIII	1.53	-		-

TXSKG: Coarse / Fine Micrometer Head Coarse Resolution 10µm, Fine Resolution 0.5µm XSDG: Digital Micrometer Head Resolution 1µm XSDG: Digital Micrometer Head Resolution 1µm

Nob Cover HDCVR13 (Sold Separately): Ø13 micrometer knob diameter can be increased by installing the cover. 🗷 P.2004 Extension Cover HDEXT13 (Sold Separately): Feed knob of Ø13 micrometer head and feed screw can be extended. DE P2004

dering Part Number



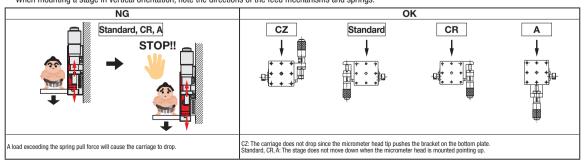


Altorotions	Desition of M	aramatar Uaad an	d Food Covery	Dointo	No Micromotor Hood	
Alterations	Position of M Side Mount, Right/Left Reversed	Side Mount, Top/Bottom Reversed * 5	Center	Disc Clamp A J1 P1 40 50 150 158 10	A (B1) *25 17.5	No Micrometer Head No Micrometer Head
Spec.		+ + +	+ + +	5 60 13.8 15 70 80 14.8 15	40 24.5 50 19.5 70 4.0 (*) Applicable to XSG only.	
	· • • • • • • • • • • • • • • • • • • •			Not applicable to 25 square. A disc clamping method that does not apply loads on the stage surface. Better position holding performance than the	Not applicable in combination with alterations CZ and A. The side drive micrometer head is opposed by a screw (M4x25, pitch 0.5). Improves vibration resistance and has secure position holding performance.	Micrometer head and bracket
	⊗Not applicable to XSDG.	Not applicable to XSGB, XSCGB and XSDG.		standard clamping method.	are applicable. The specification table dimensions (B) will be 30, and G will be 6.	unless the clamp is tightened. Combination with alteration H is not available.
Code	CR	CZ	A	Н	P	MN

'5 CZ: The micrometer head or the feed screw will be mounted on the top table (mounted on the bottom plate for Standard Type).
For micrometer head or feed screw mounted in positions other than shown below, see "Specification Selectable Type" (P.1989).
For 25 Square opposed Clamp, the bracket material is SUS303.

■Vertical Use of X-Axis Stages

When mounting a stage in vertical orientation, note the directions of the feed mechanisms and springs.



Thowever, do not apply a load exceeding the specified vertical load capacity.